

NORTH DAKOTA CROP SUMMARY, 2002

THE SEASON IN REVIEW

After a relatively dry and mild winter, most of April was cooler than normal with above average precipitation. Fieldwork was limited due to frequent rain and snow showers. The statewide average starting date for fieldwork was April 25, ahead of 2001's start of April 29, but one day behind the five-year average (1997-2001). The starting dates ranged from April 18 in the southeast district to May 3 in the north central district. The record late statewide average starting date is May 13, set in 1979.

Small grain planting got underway during the middle of April, and ran behind the average until the middle of May. By May 26, spring wheat planting progress had moved ahead of the average with 88 percent of the crop planted, the average was 83 percent. Late season crop planting also started behind the average but quickly caught up because of warmer and dryer weather in late May. By May 26, planting progress for

all the late season crops, except dry edible beans and sunflower, was ahead of the average.

Crop conditions varied greatly throughout the state during the growing season. Areas in the south and west experienced a drought most of the summer and into the fall. Meanwhile, counties in the northeast received too much rain, and many fields flooded and had to be abandoned. Statewide, on July 28, the hard red spring wheat crop was rated 9 percent very poor, 15 poor, 37 fair, 35 good, and 4 excellent.

Small grain harvest started during the last week of July, on pace with average. Harvest was hindered by scattered thunderstorms throughout much of August. By September 1, 60 percent of the hard red spring wheat had been harvested, compared to 88 percent last year and the average of 77 percent. With the exception of durum wheat, the small grain harvest was complete by September 29, nearly 3 weeks behind last year, but on pace with the average. Durum wheat, along with the canola and flaxseed harvest, were finished by October 13.

ANNUAL CROP SUMMARY: AREA PLANTED AND HARVESTED NORTH DAKOTA AND UNITED STATES, 2001-2002 ^{1/}

Crop	North Dakota				United States			
	Area Planted		Area Harvested		Area Planted		Area Harvested	
	2001	2002	2001	2002	2001	2002	2001	2002
	1,000 Acres		1,000 Acres		1,000 Acres		1,000 Acres	
Barley	1,500	1,600	1,450	1,240	4,967	5,073	4,289	4,135
Corn for Grain ^{2/}	880	1,230	705	995	75,752	79,054	68,808	69,313
Corn for Silage			155	180			6,148	7,490
Hay, All			2,700	3,300			63,521	64,497
Alfalfa			1,600	1,450			23,822	23,135
All Other			1,100	1,850			39,699	41,362
Oats	575	670	240	290	4,403	5,005	1,905	2,098
Rye	13	10	10	9	1,328	1,395	255	286
Wheat, All	9,450	9,080	9,080	7,920	59,597	60,358	48,633	45,817
Winter	150	80	80	70	41,078	41,735	31,295	29,651
Durum	2,200	2,100	2,100	1,950	2,910	2,909	2,789	2,703
Other Spring	7,100	6,900	6,900	5,900	15,609	15,714	14,549	13,463
Canola	1,300	1,300	1,285	1,160	1,494	1,459	1,455	1,275
Flaxseed	550	750	545	680	585	785	578	704
Mustard Seed ^{3/}					45.8	191.0	44.2	175.0
Rapeseed ^{3/}					3.7	3.4	3.1	3.1
Safflower ^{3/}					188	219	177	196
Soybeans	2,150	2,670	2,110	2,630	74,075	73,758	72,975	72,160
Sunflower, All	1,070	1,370	1,050	1,315	2,633	2,585	2,555	2,205
Oil	850	1,150	835	1,105	2,117	2,125	2,060	1,837
Non-oil	220	220	215	210	516	460	495	368
Sugarbeets	261	265	237	258	1,370.5	1,427.3	1,243.4	1,361.1
Dry Edible Beans, All	440.0	790.0	400.0	690.0	1,435.9	1,922.1	1,248.5	1,726.9
Navy	95.0	180.0	85.0	151.0	213.3	345.3	163.8	305.7
Pinto	286.0	515.0	261.0	460.0	557.1	813.3	507.8	725.3
Black Turtle	19.0	60.0	18.0	51.0	94.4	196.8	81.2	183.4
Dark Red Kidney	5.0	7.0	4.7	5.1	56.9	70.5	52.3	64.0
Pinks	4.0	9.0	3.8	7.8	20.0	34.8	18.7	32.8
Garbanzo	19.0	8.6	16.5	6.2	148.7	82.1	128.5	70.9
Great Northern	8.0	5.8	7.5	4.9	109.5	93.8	98.7	82.1
Other	4.0	4.6	3.5	4.0	236.0	285.5	197.5	262.7
Dry Edible Peas	90	155	86	138	206.8	302.7	192.3	279.7
Lentils	45	53	44	47	201.0	221.0	197.0	209.0
Fall Potatoes, All	118.0	118.0	110.0	102.0	1,091.5	1,144.2	1,073.2	1,114.8
Irrigated ^{4/}	37.5	36.0	35.1	34.5				
Types, Reds	21.5	19.0	19.0	14.5				
Whites	41.5	47.5	39.5	40.0				
Russets	55.0	51.5	51.5	47.5				

1/ Data are latest estimates available. 2/ Area planted for all purposes. 3/ Published at U.S. level only. 4/ Included in all potatoes.

NORTH DAKOTA CROP SUMMARY, 2002 (Continued)

Throughout the end of September and most of October, producers made good progress harvesting late season and oilseed crops. However, snow and rain late in October and much of November slowed harvest progress, especially in the eastern third of the state. By October 27, 55 percent of the corn, 92 percent of the soybeans, and 44 percent of the sunflowers had been harvested, all behind the average. Harvest of all crops was completed by the first week of December.

Entering the winter months, 56 percent of the state had adequate to surplus topsoil moisture supplies. Soil moisture supplies in most of the southwest and south central counties were rated short to very short.

ACREAGE & PRODUCTION SUMMARY

Total planted area of principal crops in 2002, including hay harvested, was 23.5 million acres, an 11 percent increase from 2001. Harvested area totaled 21.1 million acres compared to 20.2 million acres in 2001.

Total crop output during 2002 was down 8 percent from 2001. As an index, all crop production was 89 percent of the 1998 base (1998 = 100). All crop production in 2001 was 97 percent of the base. Much of the decrease in production can be attributed to the drought conditions that affected several counties in the state during the growing season.

Corn and soybean production was at a record high in 2002. Both crops had record high harvested acreage and above average yields. Oil sunflower production was up when compared to 2001. The increase in acres harvested more than offset the lower yields. Production in 2002 was also up for flaxseed, rye, all dry edible beans, sugarbeets, and dry edible peas.

Production was lower in 2002 for winter, durum and other spring wheat compared to 2001. The decrease in wheat production was the result of lower harvested acres and lower yields. Barley and oat production, at 57.0 million and 12.8 million bushels respectively, were at their lowest levels since 1988. Production of canola, non-oil sunflower, corn for silage, potatoes, lentils, and all hay were also lower in 2002.

ANNUAL CROP SUMMARY: YIELD AND PRODUCTION
NORTH DAKOTA AND UNITED STATES, 2001-2002 ^{1/}

Crop	Unit	North Dakota				United States			
		Yield ^{2/}		Production		Yield ^{2/}		Production	
		2001	2002	2001	2002	2001	2002	2001	2002
		--- 1,000 ---				--- 1,000 ---			
Barley	Bu	55.0	46.0	79,750	57,040	58.2	54.9	249,420	226,873
Corn for Grain	Bu	115.0	115.0	81,075	114,425	138.2	130.0	9,506,840	9,007,659
Corn for Silage	Tons	11.0	7.0	1,705	1,260	16.6	14.0	102,077	104,979
Hay, All	Tons	1.88	1.19	5,065	3,920	2.47	2.34	156,764	150,962
Alfalfa	Tons	2.10	1.30	3,360	1,885	3.37	3.19	80,327	73,824
All Other	Tons	1.55	1.10	1,705	2,035	1.93	1.86	76,437	77,138
Oats	Bu	62.0	44.0	14,880	12,760	61.4	56.8	117,024	119,132
Rye	Bu	34.0	38.0	340	342	27.3	24.4	6,971	6,985
Wheat, All	Bu	32.2	27.3	292,400	216,610	40.2	35.3	1,957,043	1,616,441
Winter	Bu	40.0	38.0	3,200	2,660	43.5	38.5	1,361,479	1,142,802
Durum	Bu	26.0	25.0	54,600	48,750	30.0	29.4	83,556	79,450
Other Spring	Bu	34.0	28.0	234,600	165,200	35.2	29.3	512,008	394,189
Canola	Lbs	1,400	1,230	1,799,000	1,426,800	1,374	1,218	1,998,515	1,552,520
Flaxseed	Bu	20.0	18.0	10,900	12,240	19.8	17.9	11,455	12,569
Mustard Seed ^{3/}	Lbs					930	705	41,106	123,450
Rapeseed ^{3/}	Lbs					1,306	1,461	4,050	4,530
Safflower ^{3/}	Lbs					1,365	1,520	241,665	297,980
Soybeans	Bu	33.5	33.0	70,685	86,790	39.6	37.8	2,890,682	2,729,709
Sunflower, All	Lbs	1,403	1,300	1,473,300	1,710,050	1,338	1,133	3,418,759	2,497,236
Oil	Lbs	1,440	1,310	1,202,400	1,447,550	1,361	1,128	2,803,704	2,072,410
Non-oil	Lbs	1,260	1,250	270,900	262,500	1,243	1,154	615,055	424,826
Sugarbeets	Tons	18.1	18.6	4,290	4,799	20.7	20.4	25,764	27,718
Dry Edible Beans, All ^{4/}	Cwt	1,550	1,540	6,200	10,626	1,569	1,736	19,583	29,974
Navy ^{4/}	Cwt	1,560	1,550	1,327	2,340	1,411	1,735	2,311	5,304
Pinto ^{4/}	Cwt	1,550	1,560	4,050	7,184	1,717	1,776	8,721	12,880
Black Turtle ^{4/}	Cwt	1,600	1,350	288	689	964	1,698	783	3,114
Dark Red Kidney ^{4/}	Cwt	1,450	1,330	68	68	1,390	1,680	727	1,075
Pinks ^{4/}	Cwt	1,550	1,590	59	124	1,743	1,851	326	607
Garbanzo ^{4/}	Cwt	1,400	1,470	231	91	1,254	1,182	1,612	838
Great Northern ^{4/}	Cwt	1,710	1,510	128	74	2,136	1,882	2,108	1,545
Other ^{4/}	Cwt	1,400	1,400	49	56	1,516	1,755	2,995	4,611
Dry Edible Peas ^{4/}	Cwt	2,020	1,450	1,737	2,001	1,957	1,517	3,763	4,242
Lentils ^{4/}	Cwt	1,370	1,100	603	517	1,471	1,200	2,898	2,508
Fall Potatoes, All	Cwt	240	230	26,400	23,460	367	374	393,750	417,228
Irrigated ^{5/}	Cwt	375	300	13,170	10,350				
Types, Reds	Cwt	155	178	2,945	2,580				
Whites	Cwt	183	181	7,230	7,250				
Russets	Cwt	315	287	16,225	13,630				

1/ Data are latest estimates available. 2/ Yield per harvested acre. 3/ Published at U.S. level only. 4/ Yield in pounds. 5/ Included in all potatoes.

NORTH DAKOTA CROP SUMMARY, 2002 (Continued)

INDEX OF CROP PRODUCTION, North Dakota, 1993-2002 ^{1/}

Year	Grains			Oil Crops	Misc. ^{2/}	Hay	All Crops
	Food	Feed	All				
----- 1998 = 100 -----							
1993	109	71	95	23	66	120	83
1994	115	95	108	49	87	108	96
1995	97	72	88	44	78	122	85
1996	128	97	116	47	84	115	99
1997	87	80	85	61	81	104	84
1998	100	100	100	100	100	100	100
1999	79	71	76	84	96	132	90
2000	102	103	103	105	99	122	104
2001	94	82	90	115	90	121	97
2002	70	88	77	130	92	94	89

1/ Index of production in metric tons as percent of the base year (1998) production. 2/ Non-oil sunflower, potatoes, sugarbeets, dry edible beans, dry edible peas, lentils and corn for silage.

TOTAL PRINCIPAL CROPS, North Dakota, 1993-2002 ^{1/}

Year	Acreage		Value of Production	Value Per Harvested Acre
	Area Planted	Area Harvested		
	--- 1,000 ---		1,000 Dollars	Dollars
1993	22,270	20,055	2,386,099	120.91
1994	21,981	20,977	2,683,560	129.31
1995	21,085	20,478	2,942,351	144.85
1996	22,823	22,402	3,314,076	148.86
1997	23,003	21,833	2,526,949	116.65
1998	22,071	21,360	2,688,166	126.59
1999	20,550	19,177	2,058,976	108.13
2000	22,372	20,901	2,384,029	114.83
2001	21,188	20,249	2,490,899	123.96
2002	23,517	21,094	2,946,505	140.88

1/ Planted acres include acres harvested for hay. Acreages and value include unpublished data for miscellaneous crops and commercial vegetables. Value excludes corn for silage. 2002 value includes 2002 sugarbeet production multiplied by 2001 price.

GRAIN STORAGE CAPACITY, North Dakota, December 1, 1993-2002

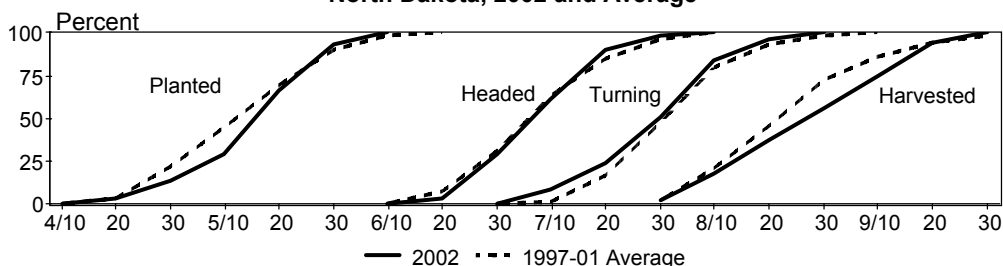
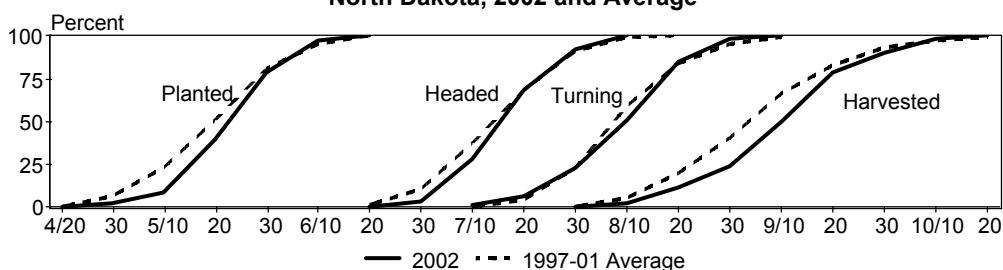
Year	Off Farm Facilities	Capacity		
		Off Farm	On Farm	Total
	Number	----- 1,000 Bushels -----		
1993	447	242,910	810,000	1,052,910
1994	448	251,060	760,000	1,011,060
1995	440	251,070	740,000	991,070
1996	438	250,850	740,000	990,850
1997	428	239,040	720,000	959,040
1998	420	245,430	750,000	995,430
1999	409	248,670	740,000	988,670
2000	394	244,370	710,000	954,370
2001	385	240,130	720,000	960,130
2002	379	240,650	700,000	940,650

PRINCIPAL CROPS, Record Highs and Lows, North Dakota

Crop		Unit	Record High ^{1/}		Record Low ^{1/}		Year Records Started
			Quantity	Year	Quantity	Year	
Durum Wheat	Planted	Acres	5,051,000	1928	797,000	1958	1926
	Harvested	Acres	5,000,000	1928	770,000	1958	1919
	Yield	Bu	38.0	1992	3.5	1954	1919
	Production	Bu	127,890,000	1981	4,235,000	1954	1919
Spring Wheat	Planted	Acres	9,600,000	1996	3,812,000	1962	1926
	Harvested	Acres	9,500,000	1996	2,438,000	1936	1919
	Yield	Bu	42.0	1992	5.2	1936	1919
	Production	Bu	382,200,000	1992	12,678,000	1936	1919
Winter Wheat	Planted	Acres	750,000	1985	25,000	1966	1964
	Harvested	Acres	550,000	1984	24,000	1966	1964
	Yield	Bu	45.0	2000	13.0	1988	1964
	Production	Bu	22,000,000	1984	600,000	1966	1964
All Wheat	Planted	Acres	12,680,000	1996	5,715,000	1962	1916
	Harvested	Acres	12,515,000	1996	85,000	1879	1879
	Yield	Bu	41.1	1992	4.5	1900	1879
	Production	Bu	472,890,000	1992	1,742,000	1879	1879
Barley	Planted	Acres	4,147,000	1959	1,350,000	1999	1926
	Harvested	Acres	3,918,000	1958	15,000	1882	1882
	Yield	Bu	65.0	1992	5.0	1910	1882
	Production	Bu	184,250,000	1985	382,000	1882	1882
Oats	Planted	Acres	2,985,000	1970	530,000	1996	1926
	Harvested	Acres	2,870,000	1917	57,000	1882	1882
	Yield	Bu	70.0	1993	8.0	1910	1882
	Production	Bu	153,624,000	1969	1,852,000	1882	1882
Rye	Planted	Acres	2,310,000	1919	10,000	2002	1919
	Harvested	Acres	2,100,000	1919	1,000	1888	1882
	Yield	Bu	44.0	2000	4.5	1936	1882
	Production	Bu	31,266,000	1922	10,000	1888	1882
Flaxseed	Planted	Acres	3,649,000	1957	80,000	1996	1920
	Harvested	Acres	3,500,000	1956	35,000	1892	1889
	Yield	Bu	21.0	2000	2.7	1936	1889
	Production	Bu	28,700,000	1956	228,000	1889	1889
Sunflower	Planted	Acres	3,460,000	1979	13,000	1962	1962
	Harvested	Acres	3,378,000	1979	12,500	1962	1962
	Yield	Lbs	1,517	1998	600	1964	1962
	Production	Lbs	4,584,600,000	1979	10,800,000	1964	1962
Dry Edible Beans	Planted	Acres	790,000	2002	21,000	1966	1964
	Harvested	Acres	710,000	1998	20,000	1966	1964
	Yield	Cwt	15.5	2001	6.0	1989	1964
	Production	Cwt	10,626,000	2002	165,000	1964	1964
All Corn	Planted	Acres	1,671,000	1934	495,000	1972	1929
Corn for Grain	Harvested	Acres	995,000	2002	17,000	1934	1924
	Yield	Bu	117.0	1999	8.4	1934	1924
	Production	Bu	114,425,000	2002	143,000	1934	1924
Soybeans	Planted	Acres	2,670,000	2002	7,000	1945	1942
	Harvested	Acres	2,630,000	2002	4,000	1944	1942
	Yield	Bu	35.0	1999	10.0	1947	1942
	Production	Bu	86,790,000	2002	40,000	1942	1942
Potatoes	Planted	Acres	191,000	1943	73,000	1951	1929
	Harvested	Acres	198,000	1922	2,000	1882	1882
	Yield	Cwt	245	2000	20	1890	1882
	Production	Cwt	30,030,000	1991	196,000	1882	1882
Sugarbeets	Planted	Acres	265,000	2002	2,900	1924	1924
	Harvested	Acres	258,000	2002	2,600	1924	1924
	Yield	Tons	22.2	1998	4.9	1934	1924
	Production	Tons	5,386,000	1998	24,500	1924	1924
Canola	Planted	Acres	1,300,000	2002	18,000	1991	1991
	Harvested	Acres	1,285,000	2001	17,500	1991	1991
	Yield	Lbs	1,530	1992	1,180	1997	1991
	Production	Lbs	1,799,000,000	2001	24,500,000	1991	1991
All Hay	Harvested	Acres	4,337,000	1961	2,102,000	1934	1909
	Yield	Tons	2.09	2000	0.41	1934	1909
	Production	Tons	6,285,000	1978	871,000	1934	1909

1/ In case of a tie, most recent year was used. Bold indicates new record.

SMALL GRAIN AND OILSEED PLANTING AND HARVESTING PROGRESS

Spring Wheat
North Dakota, 2002 and AverageDurum Wheat
North Dakota, 2002 and Average

PERCENT

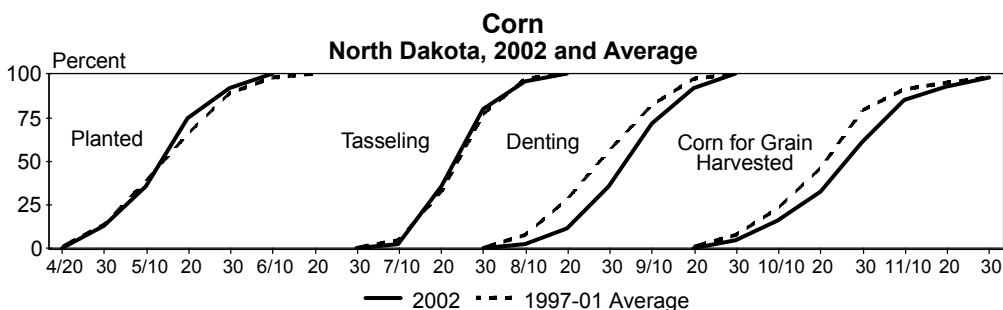
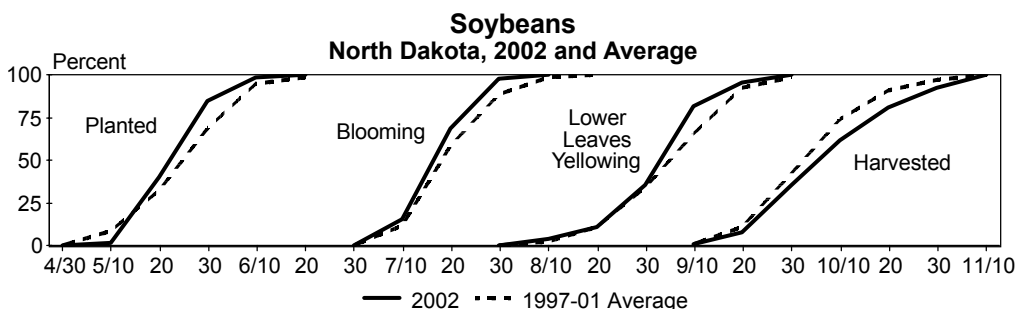
PLANTED, North Dakota, 2001-2002 and 5-Year Average 1997-2001

PLANTED, North Dakota, 2001-2002 and 5-Year Average 1997-2001									
Crop	Year	April			May			June	
		10	20	30	10	20	30	10	20
Spring Wheat		----- Percent -----							
	2002		4	14	29	67	93	100	
	2001			6	28	70	89	97	100
	Average	1	4	22	45	70	90	98	100
Durum Wheat	2002		1	3	9	40	79	97	100
	2001			2	15	47	82	98	100
	Average		1	7	23	51	81	95	100
	Oats	2002		2	9	26	68	93	100
2001				9	39	77	94	100	
Average			3	17	41	70	91	98	100
Barley		2002		2	7	17	62	95	100
	2001			4	19	63	90	98	
	Average		2	15	36	64	88	97	100
	Flaxseed	2002			1	9	51	90	100
2001				1	12	51	86	99	100
Average				6	24	52	81	95	100
Canola		2002		1	5	22	73	98	100
	2001			5	29	69	93	100	
	Average		1	14	40	65	89	96	100

PERCENT HARVESTED, North Dakota, 2001-2002 and 5-Year Average 1997-2001

Crop	Year	July	August				September			October	
		30	10	20	30	10	20	30	10	20	
		----- Percent -----									
Spring Wheat	2002	3	18	38	56	75	94	100			
	2001	1	18	51	82	97	100				
	Average	3	21	46	73	86	94	98	99	100	
Durum Wheat	2002	1	3	12	24	50	79	90	98	100	
	2001		5	22	54	84	93	96	100		
	Average		6	20	41	66	83	93	97	99	
Oats	2002	6	29	48	70	86	97	100			
	2001	1	24	66	90	99	100				
	Average	4	28	58	82	92	97	99	100		
Barley	2002	2	15	39	66	84	97	100			
	2001	2	22	60	89	99	100				
	Average	5	26	54	81	91	97	99	100		
Flaxseed	2002		3	8	19	41	72	87	95	100	
	2001		1	12	41	70	87	96	99	100	
	Average		2	12	33	56	76	89	96	99	
Canola	2002		3	14	33	62	88	95	99	100	
	2001		4	29	64	85	94	98	100		
	Average		5	21	48	70	86	96	99	100	

ROW CROP PLANTING AND HARVESTING PROGRESS



PERCENT PLANTED, North Dakota, 2001-2002 and 5-Year Average 1997-2001

Crop	Year	April		May			June	
		20	30	10	20	30	10	20
		----- Percent -----						
Corn	2002		13	36	75	92	100	
	2001		2	22	65	89	100	
	Average	1	14	39	66	89	98	100
Soybeans	2002			2	40	85	99	100
	2001			2	27	61	96	98
	Average			9	33	69	95	99
Dry Edible Beans	2002				11	63	99	100
	2001				8	48	92	99
	Average			2	21	64	93	100
Potatoes	2002	3	10	25	56	88	99	100
	2001		2	21	63	79	98	100
	Average	1	10	32	59	86	98	100
Sunflower	2002				12	56	95	100
	2001			1	8	48	89	98
	Average			2	15	52	89	99
Sugarbeets	2002	4	28	57	83	99	100	
	2001		3	22	72	90	100	
	Average	5	42	65	85	97	100	

PERCENT HARVESTED, North Dakota, 2001-2002 and 5-Year Average 1997-2001

Crop	Year	August	September			October			November		
		30	10	20	30	10	20	30	10	20	30
Corn	2002				5	----- Percent -----					
	2001			1	3	16	33	61	85	93	98
	Average			1	8	15	42	78	96	100	
Soybeans	2002		1	8	36	62	81	93	100		
	2001			3	37	78	95	98	100		
	Average		1	11	43	74	91	97	100		
Dry Edible Beans	2002	1	12	37	63	85	94	95	100		
	2001	2	14	43	71	91	99	100			
	Average	3	20	49	76	91	98	100			
Potatoes	2002	5	14	32	59	88	100				
	2001	1	7	32	57	89	99	100			
	Average	2	10	37	69	92	98	100			
Sunflower	2002				2	11	29	50	75	88	98
	2001				1	16	46	80	97	100	
	Average			1	5	21	47	78	91	94	97
Sugarbeets	2002			1	14	75	99	100			
	2001			5	10	70	98	100			
	Average		2	6	16	62	89	99			